

Substitute for Form 1449A/PTO (Modified)

Complete if Known
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

NOV 04 2002

Application Number	09/837,701
Filing Date	April 17, 2001
First Named Inventor:	Xiaodong Li
Group Art Unit	2081 2684
Examiner Name	Unassigned <i>Conlee</i>
Attorney Docket Number	005158.P007X

Sheet 2 of 2

OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
R	Y	GRUENHEID, R. et al: "Adaptive Modulation and Multiple Access for the OFDM Transmission Technique", Wireless Personal Communications, Kluwer Academic Publishers, NL, Vol. 13, NR. 1/2, Year 2000, pages 5-13 XP000894156, ISSN: 0929-6212.	NO MAST LISTED
	Z	MOTEGI, M. et al.: "Optimum Band Allocation According to Subband Condition for BST-OFDM" 11 th IEEE International Symposium on Personal Indoor and Mobile Radio Communications, vol. 2, 18-21 September 2000, pages 1236-1240, XP02213669, Piscataway, NJ, USA, ISBN: 0-7803-6463-5.	
	AA	KAPOOR, S. et al.: "Adaptive Interference Suppression in Multiuser Wireless OFDM Systems Using Antenna Arrays" IEEE Transactions on Signal Processing, vol. 47, no. 12, December 1999, pages 3381-3391, XP000935422, IEEE, New York, USA, ISSN: 1053-587X.	
	BB	YE LI, et al.: "Clustered OFDM with channel estimation for high rate wireless data", Mobile Multimedia Communications, 1999. (MOMUC '99). 1999 IEEE International Workshop on San Diego, CA, USA, IEEE, US, 15 November 1999, pages 43-50, XP010370695, ISBN: 0-7803-5904-6.	
	CC	NOGUEROLES, R. et al.: "Improved Performance of a Random OFDMA Mobile Communication System" Vehicular Technology Conference, 1998. VTC 98. 48 th IEEE Ottawa, Ontario, Canada, 18-21 May 1998, (1998-05-18), pages 2502-2506, XP010288120, ISBN: 0-7803-4320-4.	
↓	DD	KINUGAWA, Y. et al.: "Frequency and Time Division Multiple Access with Demand-Assignment Using Multicarrier Modulation for Indoor Wireless Communications Systems", IEICE Transactions on Communications, Institute of Electronics Information and Comm. Eng. Tokyo, Japan, vol. E77-B, NR. 3, March 1994, pages 396-402, XP000451014, ISSN: 0916-8516.	
		RECEIVED	
		NOV 06 2002	
		Technology Center 2600	

Examiner Signature

J. Carter

Date Considered

2/10/01

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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Form PTO-1449 (Modified)				Atty Docket No.: 005158.P007X	Serial No.: 09/837,701			
List of Patents and Publications Statement (Use several sheets if necessary)				Applicants: Li et al.				
				Filing Date: April 17, 2001				
				REFERENCE DESIGNATION				
				PATENT DOCUMENTS				
Exam. Initial		Date	Document Number	Name	Class	Sub- Class	Filing Date	
J		05/23/00	6,067,290	Paulraj et al.	370	329	07/30/99	
		05/16/00	6,064,694	Clark et al.	375	224	09/30/97	
		05/16/00	6,064,692	Chow	375	219	06/20/97	
		04/18/00	6,052,594	Chuang et al.	455	450	04/30/97	
		03/21/00	6,041,237	Farsakh	455	450	04/02/98	
		12/21/99	6,005,876	Cimini, Jr. et al.	370	525	09/24/96	
J		10/26/99	5,973,642	Li et al.	342	378	04/01/98	
		09/21/99	5,956,642	Larsson et al.	455	449	11/25/96	
FOREIGN PATENT DOCUMENTS								
No.		Document No.	Date	Country	Name	Class	Sub- Class	Trans- lation
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)								
J		BENDER et al., CDMA/HDR: A Bandwidth-Efficient High-Speed Wireless Data Service for Nomadic Users, IEEE Communications Magazine, July 2000, pp. 70-87.						
		TSOULOS, G.V., Smart Antennas For Mobile Communication Systems: Benefits And Challenges, Electronics & Communication Engineering Journal, April 1999, pp. 84-94.						
		SHAD et al., Indoor SDMA Capacity Using a Smart Antenna Basestation, 1997 IEEE, pp. 868-872.						
		FARSAKH, CHRISTOF and NOSSEK, JOSEF A., On the Mobile Radio Capacity Increase Through SDMA, no date (after 1997).						
		FRULLONE et al., PRMA Performance in Cellular Environments with Self-Adaptive Channel Allocation Strategies, IEEE Transactions on Vehicular Technology, November 1996, pp.657-665 Vol. 45, No. 4.						
		XU, GUANGHAN and LI, SAN-QI, Throughput Multiplication of Wireless Lans for Multimedia Services: SDMA Protocol Design, 1994 IEEE, pp. 1326-1332. NO MONTH LISTED						
J		WARD, JAMES and COMPTON, R. TED, JR., High Throughput Slotted ALOHA Packet Radio Networks with Adaptive Arrays, IEEE Transactions on Communications, March 1993, pp.460-470, Vol. 41, No. 3.						
Examiner	<i>D. Carter</i>			Date Considered	<i>1/26/01</i>			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant								



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Substitute for form 1449A/PTO				Complete if Known		RECEIVED
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/837,701	
				Filing Date	April 17, 2001	JUL 26 2004
				First Named Inventor	Xiaodong Li	
				Art Unit	2686	Technology Center 2600
				Examiner Name	Joy Kimberly Contee	
				Attorney Docket Number	5158P007X	
Sheet	1	of	1			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
R		US-6,449,246 B1	09-10-2002	Barton et al.	_____
CE		US-6,473,467 B1	10-29-2002	Wallace et al.	_____
CR		US-6,282,185 B1	08-28-2001	Hakkinen et al.	_____
CR		US-6,009,553	12-28-1999	Martinez et al.	_____
CR		US-5,909,436	06-01-1999	Engstrom et al.	_____
CR		US-6,111,919	08-29-2000	Yonge III	_____
CR		US-6,545,997 B1	04-08-2003	Bohnke et al.	_____
CR		US-5,588,020	12-24-1996	Schilling	_____
CR		US-5,822,372	10-13-1998	Emami	_____
CR		US-6,330,460 B1	12-11-2001	Wong et al.	_____
CR		US-6,327,472 B1	12-04-2001	Westroos et al.	_____
CR		US-5,507,034	04-09-1996	Bodin et al.	_____
CR		US-6,141,565	10-31-2000	Feuerstein et al.	_____
CR		US-6,298,092 B1	10-02-2001	Heath, Jr.	_____
CR		US-5,774,808	06-30-1998	Sarkioja et al.	_____
CR		US-6,377,636 B1	04-23-2002	Paulraj et al.	_____
CR		US-5,280,630	01-18-1994	Wang	_____
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Signature	D. Carter	Date Considered	1/22/05
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Based on PTO/SB/A08A (08-03) as modified by Stakeley, Solakoff, Taylor & Zafman (wtr) 08/11/2003.

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet	1	of	1	Application Number	09/837,701
				Filing Date	April 17, 2001
				First Named Inventor	Xiaodong Li
				Art Unit	2686
				Examiner Name	Joy Contee
				Attorney Docket Number	68144/P014CP1/10502151

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BA	DE 198 00 953		July 29, 1999	Siemens AG	T ⁶

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
J	CA	Wong et al. "Multiuser OFDM with Adaptive Subcarrier, Bit, and Power Allocation", IEEE Journal on Selected Areas in Communications. IEEE. New York, US, 1999, Vol. 17. NR. 10, pp. 1747-1758 NO MONTH LISTED			
CB		Mexican Office Action issued for PA/a/2003/005311 dated March 31, 2006.			

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25649323 .1	<i>[Signature]</i>	Date Considered	7/24/16
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